

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (Currently Amended). A battery charge indicator for sensing and indicating a near full state of charge of a lithium ion battery, the battery charge indicator comprising:

a sensing circuit for sensing charging current to said lithium ion battery and providing a first charge indication signal based upon comparing the magnitude of said charging current with a first predetermined value and generating a first charge indication signal solely as a function of said charging current when said charging current is less than or equal to said first predetermined value, wherein said first predetermined value is representative of a first predetermined charge state representative of a near full state of charge of said lithium ion battery; and

an indicator responsive to said first charge indication signal for providing an indication when said lithium ion battery is at a near full state of charge.

Claim 2 (Original). The battery charge indicator as recited in claim 1, wherein said indicator includes a first visual indication.

Claim 3 (Original). The battery charge indicator as recited in claim 2, wherein said first visual indication is a first light emitting diode (LED).

Claim 4 (Original). The battery charge indicator as recited in claim 2, wherein said sensing circuit is configured to sensing other charging states of said battery, other than said near full state of charge.

Claim 5 (Previously Presented) The battery charge indicator as recited in claim 4, wherein said sensing circuit is configured to compare the battery charging current with a second predetermined value that is less than said first predetermined value and generating a second charge indication signal representing that said charging current is at a second predetermined charge state other than said near fully charged state.

Claim 6 (Original). The battery charge indicator as recited in claim 5, further including a second visual indication.

Claim 7 (Previously Presented). The battery charge indicator as recited in claim 5, wherein said sensing circuit is configured to generate a third charge indication signal indicating that the state of charge of said battery is different from said first predetermined charge state and said second predetermined charge state.

Claim 8 (Previously Presented). The battery charge indicator as recited in claim 6, wherein said second visual indication is a second LED.

Claim 9 (Previously Presented). The battery charge indicator as recited in claim 7, wherein sensing circuit is configured to define first, second and third charging states and wherein said first LED is a red LED and said second LED is a green LED and in said first state, said red LED is illuminated and in said second state both said red and green LEDs are illuminated and in said third state, only said green LED is illuminated.